

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1. (original): A liquid crystal display panel sealing apparatus, comprising:

a cassette for accommodating a plurality of laminated liquid crystal display panels into which liquid crystal is injected; and

a pressurizing unit for accommodating said cassette, said pressurizing unit comprising a plurality of pressurizing actuators for pressurizing said liquid crystal display panels.

2. (original): The apparatus as set forth in claim 1, wherein said cassette comprises a guide unit for guiding said liquid crystal display panels in accordance with a size of said liquid crystal display panels.

3. (original): The apparatus as set forth in claim 1, wherein said cassette comprises:

a pedestal;

an X-direction positioning block provided on said pedestal;

a Y-direction positioning block provided on said pedestal; and

screws for adjusting said X-direction positioning block and said Y-direction positioning block.

4. (original): The apparatus as set forth in claim 1, wherein said pressurizing actuators are dispersed radially.

5. (original): The apparatus as set forth in claim 1, wherein said pressurizing unit further comprises a plurality of pressure sensors, each corresponding to one of said pressurizing actuators, so that said pressurizing actuators are individually driven by output signals of said pressure sensors.

6. (original): The apparatus as set forth in claim 1, further comprising:
a wiping unit for wiping up liquid crystal spilled from said liquid crystal display panels while said pressurizing unit is being operated;
a seal material coating unit for coating seal material on liquid crystal injection openings of said liquid crystal display panels;
an ultraviolet irradiation unit for irradiating said seal material with ultraviolet rays; and
a carrier unit for carrying said pressurizing unit among said wiping unit, said seal material coating unit and said ultraviolet irradiation unit.

7. (original): A method for sealing liquid crystal display panels, comprising:
adjusting a cassette to be adapted to a size of said liquid crystal display panels;
loading said liquid crystal display panels in said cassette;

loading said cassette in a pressurizing unit having a plurality of pressurizing actuators;
and

individually driving said pressurizing actuators to pressurize said liquid crystal display panels, so that a pressure within each of said liquid crystal display panels is made uniform.

8. (original): The method as set forth in claim 7, wherein said individual pressurizing actuator driving step carries out a feedback control operation using pressure signals of pressure sensors each provided for one of said pressurizing actuators.

9. (new): The method as set forth in claim 7, further comprising:
activating said pressurizing unit so that said pressurizing actuators are individually driven by a feedback control using pressure signals of pressure sensors corresponding to each of said pressurizing actuators; and

regulating an output value of said pressure signals of said pressure sensors such that said output value is one-third of an initial total pressure.

10. (new): The method as set forth in claim 9, wherein,
said output value is gradually increased to a range of 0.2 to 5 kg/cm².

11. (new): The method as set forth in claim 9, wherein,
said output value is gradually decreased to a value of 1 kg/cm².

AMENDMENT UNDER 37 C.F.R. § 1.111
U.S. Appl. No. 09/772,955

12. (new): The method as set forth in claim 9, wherein,
said output value is gradually decreased to 0.

13. (new): The apparatus as set forth in claim 3, further comprising,
scales provided on said pedestal operable for positioning said X-direction positioning
block and said Y-direction positioning block.